

# Want to be a craftsperson in just ½ hour? It's easy with SYMTEC.

Traditionally, woodturning has been a slow process, often dangerous, requiring skills developed over several years of practice.

The new SYMTEC wood lathes dramatically change all this. Even complete beginners can now produce a quality turned piece in a very short time.

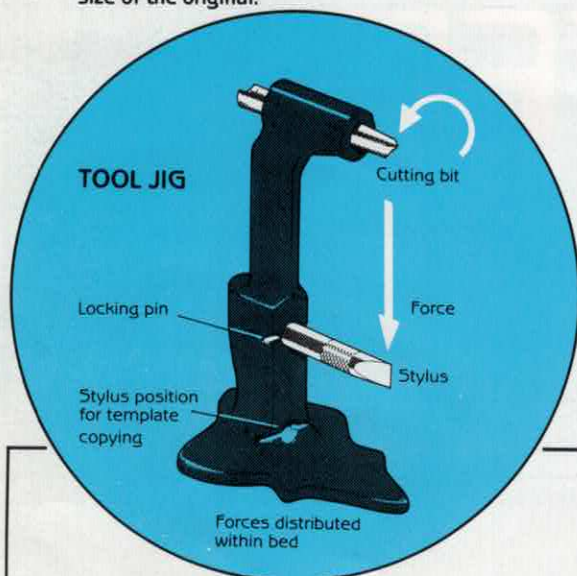
It's safer too. The SYMTEC design eliminates hand-held chisels which can jag on the work, causing injury.

SYMTEC has re-examined every aspect of woodturning, introducing new design principles which make turning, fluting and copying easier and more accurate than ever before.

No wonder SYMTEC lathes have been hailed as the greatest advance in woodturning in 50 years.

The stylus can be locked in a retracted position for copying work. The copy is roughly turned with the stylus in the retracted position. This leaves 1mm proud surface to the wood. When the stylus is rotated through 180° it locks into exact alignment with the cutting bit.

A finishing cut is then made to the exact size of the original.



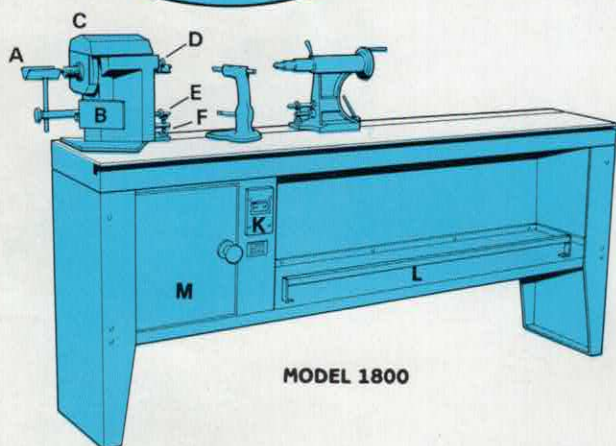
SYMTEC developed two major departures from traditional wood lathe design:

a) A new tool jig incorporating both cutter and holder, and b) A flat bed instead of the usual V-bed.

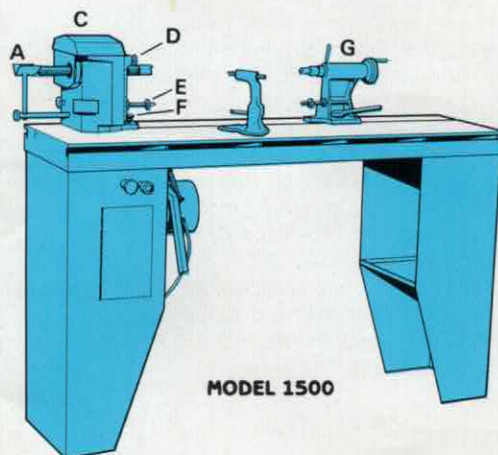
The tool jig consists of a fixed cutting bit and a lower copying stylus of the same length. The cutting bit is positioned in line with the axis of rotation of the work, ensuring that friction forces are directed downwards, thus keeping the jig stable, even through very rough cutting (e.g. on the square).

The wide machined flat bed gives the jig complete freedom to move quickly along the work, and safely absorbs friction forces generated during cutting.

- Two models available: 1800mm and 1500mm length bed approximately.
- Easier to use than any other comparable lathe. Requires no special skills.
- Can be operated with one hand with complete safety.
- Successfully used by people with severe or total sight impairment.
- Motor, drive belt and cone pulleys are completely enclosed for maximum safety.
- Exact replicas and repetition work accomplished in a fraction of the time previously required.
- Copies can be turned from a flat template.
- Built in sharpening feature and re-setting device.
- Can be used with traditional chisels and tool rest.
- Many accessories, including router and holder, 'steady' for long work, full range of centres and faceplates, and the exclusive SYMTEC centering guide.

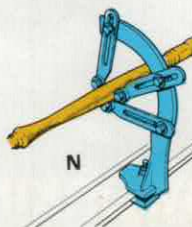
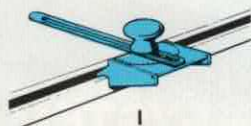
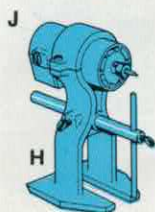


MODEL 1800



MODEL 1500

\*Optional accessories



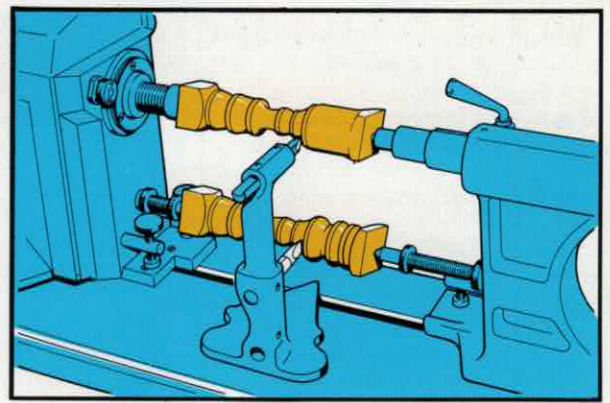
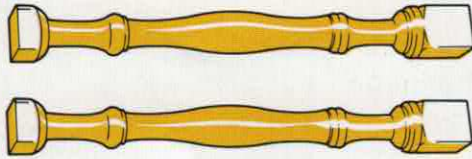
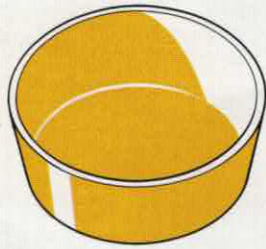
- A Centering guide\*
- B Bit sharpening and resetting guide
- C Headstock
- D Index locking pin\*
- E Copying centre
- F Clamping screw
- G Tailstock

- H Router holder\*
- I Router guide protractor arm\*
- J Router\*
- K Power switch
- L Shelf
- M Cupboard
- N Steady\*



## Turning and copying

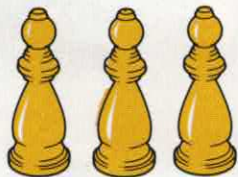
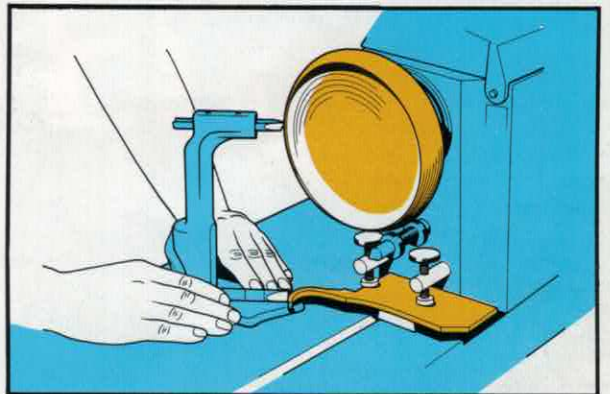
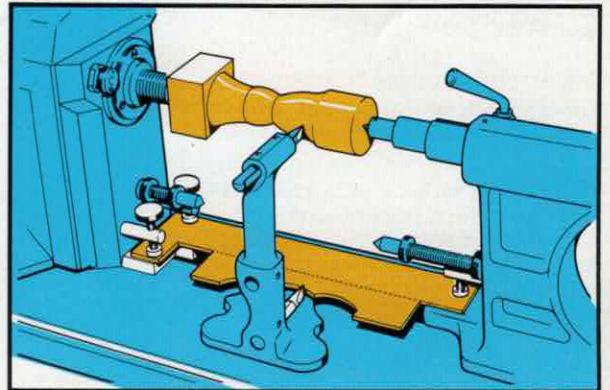
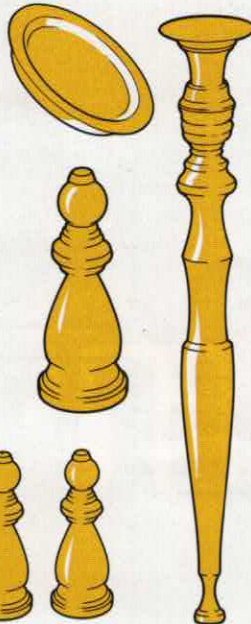
The smooth-tipped stylus follows every contour of the original when copying, thus ensuring a perfect replica every time.



## Turning using templates

For repetition work, the SYMTEC lathe can be used with a template. Simply fretsaw the profile desired from plywood, plastic or other rigid material. Nylon-footed clamping screws on headstock and tailstock secure the template to the bed, and the stylus is used to follow the shape.

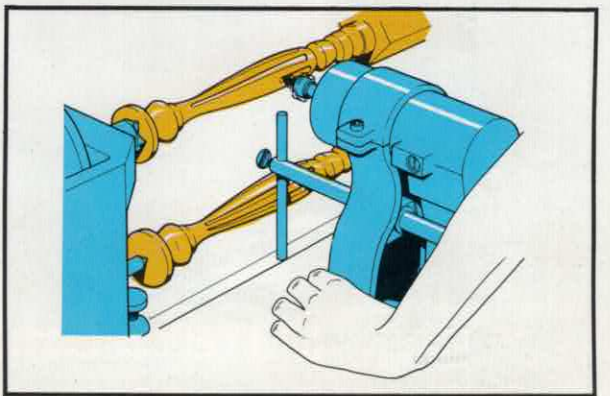
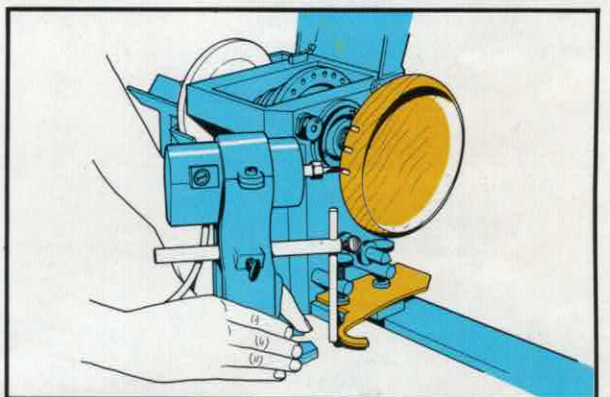
Templates can also be used for face-plate turning. Hollowed pieces such as bowls and goblets can be repeated time after time, with their shape and wall thickness conforming exactly to the original design.



## Fluting

Fast, accurate fluting is easy with the router accessory and its specially designed holder. A trammel bar on the holder can be set to give the required cutting depth for one-off items. For replica fluting, the trammel bar is adjusted to follow the contours of either an original piece or a template, maintaining the same depth of flute as the original.

The SYMTEC lathe headstock incorporates a precision 24-indexing disc, with a spring-loaded locking pin to quickly secure each indexed position.



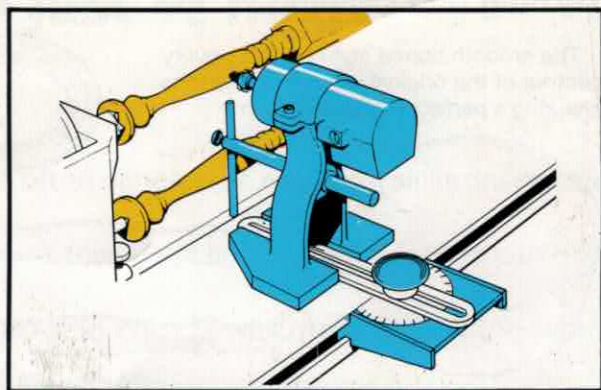


## Drilling radial holes

SYMTEC lathes include a slot in the bed edge in which slides the router guide accessory. The guide can be moved anywhere along the lathe bed and set at any angle to the work. The router holder then slides along the guide arm for the drilling operation. For acute-angled holes, an extension is fitted to the guide arm.

As with the fluting operation, the work can be indexed.

This simple device now makes it possible to quickly and accurately drill radial holes at any angle in turned work with repetitive precision.

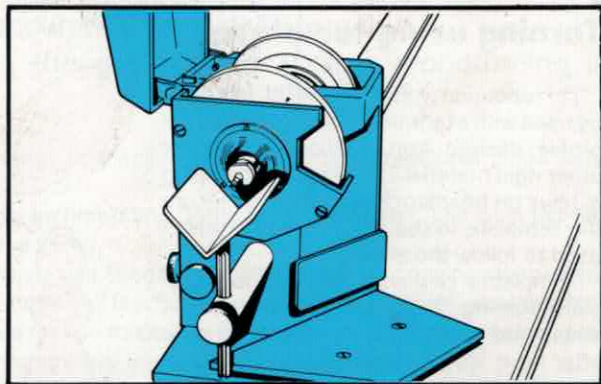
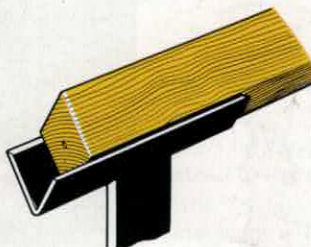


## Centering work

SYMTEC does away with the chore of finding the work centre with intersecting diagonals.

The work is placed in the V-guide accessory which is visually adjusted up or down so that the centering bit drills a hole at centre.

Accurate centering is unnecessary as the tool jig is designed to function easily with all but the most eccentrically-mounted work.

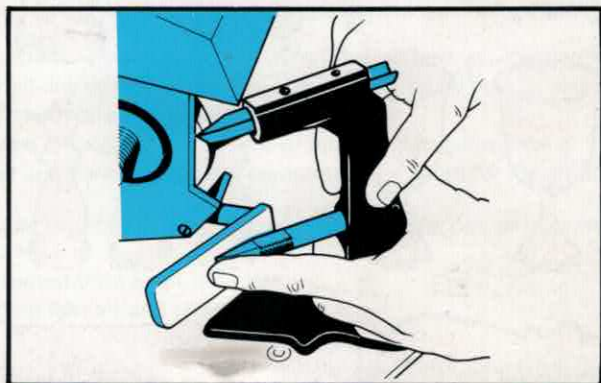
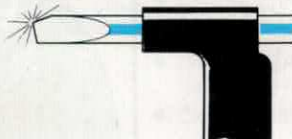


## Sharpening cutting bit

Both lathe models are fitted with a grinding wheel and sharpening guide for easy bit maintenance.

The stylus is faced against the guide plate, which in turn determines the precise grinding angle for the bit.

This time-saving feature guarantees greater productivity and removes the possibility of uneven bit sharpening.



Visit our showroom or nearest agent now for a demonstration of this advanced woodworking machine. Experience a "hands-on" test of SYMTEC's capabilities.



# SYMTEC

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*Australian  
Design Award  
1987*



**12 MONTHS WARRANTY**

SYMTEC lathes carry 12 months warranty against faulty materials or workmanship.

## Specifications

|   | MODEL 1800   | MODEL 1500            |
|---|--|-----------------------|
| <b>Construction</b>   | Precision machine  |                       |
| <b>Finish</b>   | Durable electrostatic powder coating   |                       |
| <b>Dimensions: bench area (mm)</b>                            | 1750 x 300   | 1500 x 300            |
| <b>bench height (mm)</b>                                      | 860  | 860                   |
| <b>Swing over bed (mm)</b>                                    | 400  | 330                   |
| <b>Between centres, max (mm)</b>                              | 1300   | 970                   |
| <b>Spindles</b>   | No. 2 morse taper  |                       |
| <b>Hole dia (mm) through headstock and tailstock</b>          | 14   | 10                    |
| <b>Cutting bit</b>  | H5 steel   | H.S. steel            |
| <b>Main spindle (front &amp; rear)</b>                        | 30mm dia, 3.5mm pitch  |                       |
| <b>Bearings</b>   | Heavy duty, sealed   |                       |
| <b>Motor (1440)</b>   | 1 1/2 hp.<br>Single phase or 3-phase   | 1 hp.<br>Single phase |
| <b>Grinding wheel dia (mm)</b>                                | 150  |                       |
| <b>Speed range (rpm)</b>                                      | 550/1100/2000/3700   | 550/1440/3700         |
| <b>Indexing</b>   | 24 holes   |                       |
| <b>Approx. crated weight (kg) (packaged flat for export).</b> | 200  | 120                   |
| <b>Optional accessories</b>                                   | Drilling, fluting, reeding & routing protractor system.<br>Router and holder.<br>Centering guide and bit.<br>"Steady".<br>Assorted faceplates and centres. |                       |

Specifications are correct at time of publication. Symtec Products Pty Ltd is engaged in continuous product research and development and reserves the right to change specifications without notice.